

UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics

Economic Library List No. 3

Washington, D.C., April 1939.

HIGH DRAFTING IN COTTON SPINNING: SELECTED REFERENCES

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Division of Cotton Marketing Branch Library,  
Bureau of Agricultural Economics

References in this list were taken from Cotton Literature, Volume 1, No. 1 to Volume 9, No. 2, inclusive, January 1931 to February 1939, and its predecessor Current Literature on Cotton, Volume 1, July to December 1930.

Books and Pamphlets

Barnshaw, Charles. High drafting in cotton spinning. 127pp. London, E. Benn, limited, 1930. 304 B25

"Although the main object has been to deal with high-draft arrangements, I have found it necessary to refer to the character of the raw material and to those preliminary operations which affect the process of drawing."  
- Preface.

Noguera, J. Modern drafting in cotton spinning. 193pp. Leeds, Eng., Chorley & Pickersgill, ltd. [1937] 304 N68 1937

A new edition of the author's Theory and Practice of High Drafting in Cotton Spinning.

Noguera, J. Theory and practice of high drafting in cotton spinning. 113pp. [Manchester, Eng., Casablanco high draft co., ltd., 1934] 304 N68

Richardson, R.P., and Ahmad, Nazir. Application of different systems of high draft spinning to mixings of Indian cottons. India. Indian Cent. Cotton Com. Tech. Lab. Tech. Bull. Ser.A, no.19, 38pp. Bombay. 1932. 72.9 In2332A

Richardson, R.P., and Ahmad, Nazir. Further tests on Indian cottons with different systems of high draft spinning. India. Indian Cent. Cotton Com. Tech. Lab. Tech. Bull. Ser. A, no.57, 23pp. Bombay. 1937. 72.9 In2332A

Richardson, R.P., and Turner, A. James. Preliminary spinning tests on mixings of Indian and American cottons using ordinary and high drafts. India. Indian Cent. Cotton Com. Tech. Lab. Tech. Bull. Ser. A, no.15, 21pp. Bombay. 1930. 72.9 In2332A

Willis, H.H., Dunlap, G.H., and Moore, Vernetta B. Cotton spinning. 141pp. Washington, Textile foundation, 1938. 304 T318 [v.7]

"This course of instruction on cotton spinning is one of a series of texts on cotton yarn manufacture."

Conventional three roll drafting and long draft, pp.57-66.

#### Periodical Articles

"Ariston." The economics of high-draft spinning. The incidence on production costs of the various systems. Textile Recorder 50(592): 22-25; (593): 23-25. July 15, Aug. 15, 1932. 304.8 T311

B., H. "Modern drafting in cotton spinning", by J. Noguera. Textile Inst. Jour. 28(10): P376. October 1937. 73.9 T31  
Letter to the editor.

Baldus-Pross system of cotton spinning. Textile Manfr. 64(759): 113. March 1938. 304.8 T3126

"German progress in the adoption of a single-process speed frame and high-draft ring spinning, including the use of special condenser trumpets on the draw-frame deliveries."

[Barnshaw, C.] High-draft spinning. Its relation to yarn costs. Textile Weekly 15(368): 321. Mar. 22, 1935. 304.8 T3127

Report of address at meeting of the "Preston and District Textile Society, on March 15", 1935.

Also reported in Internatl. Cotton Bull. 13(51): 369-370, 373. April 1935; Textile Bull. 48(13): 14, 20. May 30, 1935; Textile Manfr. 61(724): 133, 144. April 1935.

Barnshaw, C. High drafting. Its economic advantages. Textile Recorder 51(602): 35, 37. May 15, 1933. 304.8 T311

Belshaw, R. Controversies in cotton spinning. Textile Manfr. 62(744): 461. December 1936. 304.8 T3126

Report of a lecture to the Manchester College of Technology Textile Society, November 17, 1936.

High-drafting, single process lapping, high-speed winding and beaming, warping from ring bobbins, "broken-back" ring frame roller stands, and diameter and lift of ring bobbins are discussed.

- Brandt, Carl. Super-draft roving. Early mechanisms complicated - The modern four-roll machine - Some disadvantages - Favorable points include simplicity, flexibility, high quality of product and rapid investment return. Amer. Wool & Cotton Repr. 52(52): 9-10. Dec. 29, 1938. 304.8 W88  
Paper presented at annual meeting of Textile Division of American Society of Mechanical Engineers.
- A brief history of Saco-Lowell Roth better drafting. How long draft became better draft - A simple explanation of the three systems in use today. Saco-Lowell Bull. 8(1): 105. April 1936. 304.8 Sal
- Brinkhaus, H. Simple high-draft system of cotton spinning. Textile Manfr. 57(684): 442. December 1931. 304.8 T3126  
Describes the system.
- Bromiley, H. Cotton fibre control with special reference to high drafting methods. Textile Inst. Jour. (Silver Jubilee Conf. No.) 26(7): P215-P243. July 1935. 73.9 T31  
References: p. P243.  
Paper read before the Silver Jubilee Conference of the Textile Institute, at Ilkley, England, June 12 to 16, 1935.  
Abstract in Textile Manfr. 61(727): 272-273, 270. July 1935; Textile Mercury and Argus 92(2414): 553, 559. June 21, 1935.
- The Casablancas compound drafting machine. Internatl. Cotton Bull. 13(49): 85-91. October 1934. 72.8 In8  
Also described in Textile Manfr. 60(718): 413, 417. October 1934; Textile Weekly 14(345): 169, 171. Oct. 12, 1934.
- [Casablancas high draft co., ltd.] Compound drafting developments. Spinner 1(4): 25-27. March 1937.
- Casablancas high draft co., ltd. Compound drafting in England. Spinner 1(6): 30-31. October 1938.
- [Casablancas high draft co., ltd.] A new condenser for better drafting. Spinner 1(5): 25-27. March 1938.
- [Casablancas high draft co., ltd.] Preparation costs in relation to high drafting. Spinner 1(1): 6-11. June 1935.  
In this article "an attempt is being made to present the relation between Preparation Costs and High Drafting in as general a way as possible, the results being given not in absolute figures but in percentages relating to the ordinary conditions existing before the adoption of High Drafting. The definite costs for any particular mill are obtainable by simply applying the corresponding percentages to the actual expenditure."  
Also in Textile Mercury and Argus 93(2421): 149, 160. Aug. 16, 1935.
- [Casablancas high draft co., ltd.] The price of high drafting. Spinner 1(4): 6-8. March 1937.
- Casablancas high draft co., ltd. Principles of perfected drafting. Spinner 1(6): 9-20. October 1938.



Casablanco high draft co., ltd. Refinements in Casablanco high-draft mechanism. Textile Manfr. 64(760): 158. April 1938. 304.8 T3126

[Casablanco high draft co., ltd.] Standard yarns from cheaper cotton. Spinner 1(2): 6-10. November 1935.

Also in Textile Manfr. 61(732): 500. December 1935.

Casablanco high drafting system on self-acting mules. Simple and practical points which make conversion worth while. Textile Mercury and Argus 93(2437): 492. Dec. 6, 1935. 304.8 T318

Also in Textile Weekly 17(409): 9-10. Jan. 3, 1936.

Cobb, J.C. Experiences with long draft spinning. Rayon and Melliand Textile Monthly 17(6): 388-389. June 1936. 304.8 R21

Cobb, J.C. Long draft vs. regular. Results of some recent mill tests. Textile World 82(4): 738. October 1932. 304.8 T315

"It is the writer's opinion that... it is only a matter of time before the mechanical defects will have been overcome and mills will be saving thousands of dollars by cutting out at least one process of fly frames and making their filling with single roving."

Comparative tests on high-draft cotton spinning. Data of yarn quality and spinning performance on ring frames newly converted to high-drafting. Textile Manfr. 59(704): 320. August 1933. 304.8 T3126

Cotton spinning developments. Platt's graduated high draft system. Textile Weekly 18(447): 337,339. Sept. 25, 1936. 304.8 T3127

Dawson, J.H. Short stapled cottons and high drafting. Textile Mercury 84(2182): 33; (2183): 53. Jan. 9, 16, 1931. 304.8 T318

Deroubaix, Michel. Une nouveauté en grand entirage: le dispositif breveté Deroubaix. Revue Textile 32(9): 645-646. September 1934. 304.8 R32

A novelty in the high drafting system: the patented Deroubaix motion.

"The Deroubaix high draft system is characterised by the introduction between the middle and delivery rollers of an ordinary drawing system of a small heavy roller and of a belt which passes round a framework and a driving roller. The framework only supports and guides the edges of the band leaving free the central part below the small heavy roller, so that only a light pressure is exerted on the fibres at this point." - Textile Inst. Jour. 25(12): A533. December 1934.

Devaux system of high-draft cotton spinning. Textile Manfr. 63(753): 362. September 1937. 304.8 T3126

The economics of high drafting in cotton spinning. The cost of spinning cotton yarns can be reduced by the adoption of high drafting. This article stresses the necessity for spinners to consider the question from the economic aspect. Textile Recorder 51(605): 28-29. Aug. 15, 1933. 304.8 T311

Electric roll picker for long draft frames. Melliand Textile Monthly 3(6): 504. September 1931. 304.8 R21

Engelmann, Josef. Hochverzugsstreckwerke. Monatschrift für Textil-Industrie 46(3): 83-84; (4): 117-118. March-April 1931. 304.8 L53  
High draft drawing frame.

Fibre control. A comparison of the conventional three-roll system and Saco-Lowell Roth better drafting system. Saco-Lowell Bull. 8(2): 1-6. June 1936. 304.8 Sal

Fraser, William McLeod. Machines and processes. Developments in single process picking, high draft roving, long draft spinning, roll covering, rings and spindles, packages, speeds and tape tension. Amer. Wool & Cotton Reprtr. 51(41): 22, 31-35. Oct. 14, 1937. 304.8 W88

An address presented at the convention of the National Association of Cotton Manufacturers, Providence, R.I., October 6 and 7, 1937.

"Graduated" high-draft cotton spinning. Textile Manfr. 62(742): 386. October 1936. 304.8 T3126

Also in Textile Mercury and Argus 95(2483): 438. Oct. 23, 1936; Internatl. Cotton Bull. 15(57): 131-132. October 1936.

High-draft cotton spinning tests. British and continental methods compared. Textile Mercury and Argus 86(2254): 479. May 27, 1932. 304.8 T318

High draft in cotton spinning. Textile Weekly 16(396): 352. Oct. 4, 1935. 304.8 T3127

"Abstract from a lecture by a representative of the Casablanacas High Draft Co., Ltd., to the Oldham Technical Association and Old Students Union, October 3, 1935," giving a review of the Casablanacas system.

High draft speed frame incorporating two drafting zones with two rollers in each zone. Textile Recorder 55(657): 48-49. Dec. 6, 1937. 304.8 T311

A description of the H. & B. Patent High Draft Speed Frame introduced by Howard & Bullough, Ltd.

High draft spinning. The Meynell W.T.R. system. Textile Recorder 52(619): 49. Oct. 15, 1934. 304.8 T311

High drafting at the mule. Textile Manfr. 58(687): 102-103. March 1932. 304.8 T3126

"Some possibilities of the application of high-draft mechanism in mule spinning and advantages which might be gained."

Hill, F. High drafting. Textile Recorder 49(589): 34, 37; 50(590): 24-25. Apr. 15, May 15, 1932. 304.8 T311

Howard and Bullough ltd. High-draft cotton speed frames. A 5-line rollers cotton speed frame is provided as a single speed frame process and another system uses a 4-line rollers frame. Textile Manfr. 63(752): 319-320. August 1937. 304.8 T3126



- Howard and Bullough ltd. Two-zone four-roller high-draft speed frame for cottons of medium staple. Textile Manfr. 63(755): 451,456. November 1937. 304.8 T3126
- Howard and Bullough ltd. "Zone" drafting regardless of staple length. The H. & B. high draft improved model speed frame. Textile Weekly 20(502): 491-492. Oct. 15, 1937. 304.8 T3127
- Improved cotton spinning machinery. Textile Recorder 56(669): 48. Dec. 6, 1938. 304.8 T311  
"A new type speed frame and an improved ring spinning frame high drafting system are described in this article."
- Improved cotton spinning machinery. A modified Buckley opener, high draft speed frames and ring spinning frames are described in this article. Textile Recorder 56(666): 45-46. Sept. 6, 1938. 304.8 T311
- Improved roller for high drafting. Describing the new volt tread system. Textile Amer. 55(5): 24-25. May 1931. 304.8 T317  
Reprinted from Textile Mercury.
- Joshi, B.B. High drafting of cottons: some important results. Indian Textile Jour. 46(548): 272. May 1936. 304.8 In2
- Lakeman, S. High drafting on the mule. Textile Recorder 51(603): 41-42. June 15, 1933. 304.8 T311
- Landau, A.K. Long-draft roving. Why it is possible and profitable in present-day cotton mill operation. Textile World 87(13): 2662-2663. December 1937. 304.8 T315
- Leittretter. Die vorbereitungskosten in beziehung zum hochverzug. Spinner und Weber 53(52): 1-4. Dec. 27, 1935. 304.8 Sp4I  
Preparation costs in relation to high draft spinning.  
"The author discusses the modifications in the preparatory processes at the speed frames and the saving in the costs of these processes made possible by the introduction of high draft spinning and calculates the percentage saving in preparation costs for cases in which (a) the roving frame is eliminated, and (b) all the speed frames are retained but the drafts on these are reduced so that a coarser roving is produced. - C." Textile Inst. Jour. 27(2): A50. February 1936.
- Long draft in N.C. mill. Advantages from installation of better drafting. Eliminated 13 roving frames. Power and labor costs substantially decreased. Breaking strength 25% higher. Amer. Wool & Cotton Repr. 48(7): 15-16. Feb. 15, 1934. 304.8 W88
- Long draft roving low in first and final cost. Whitin Rev. 4(1): 1-5. July 1936. 304.8 W58  
Methods of using the long-draft system are described.

Lowell, W. Frank. Modern spinning technique. Process changes have affected cotton manufacturing - Research and testing instruments - Opening and picking - Controlled draft drawing - Long draft spinning. Amer. Wool & Cotton Reprtr. 51(41): 23-24, 52-57. Oct. 14, 1937. 304.8 W88

An address presented at the annual convention of the National Association of Cotton Manufacturers held in Providence, R.I., October 6 and 7, 1937.

Merrill, G.R. Cotton organizations. Calculations for 6s, 13s, and 22s yarns, with long-draft modifications. Textile World 86(8): 1451-1452. July 1936. 304.8 T315

Merrill, G.R. Long draft vs. normal draft. Amer. Wool & Cotton Reprtr. 44(36): 3317. Sept. 4, 1930. 304.8 W88

"The studies which served as a basis for the results shown in this report were carried on for two years in the laboratories of the Lowell Textile Institute."

Merrill, G.R. Machinery organization, with long-draft modifications, for 40s to 60s cotton yarn. Textile World 86(10): 1812. September 1936. 304.8 T315

Fifth of a series of articles on the calculation of cotton-yarn organizations.

Meynell, Henry. High draft cotton spinning. The Meynell patent washer roller. Textile Weekly 18(456): 601, 603. Nov. 27, 1936. 304.8 T3127

[Meynell, Henry] High drafting - The three or four line system? What mill tests with Indian cotton have revealed. Textile Mercury and Argus 89(2323): 251, xi. Sept. 22, 1933. 304.8 T318

Extracts from a letter to the editor in which the author offers "to prove that there is 100 per cent. more 'fly' off a four line than off the Meynell system of three lines."

Meynell, Henry. A high drafting development. Textile Manfr. 60(718): 410, 416. October 1934. 304.8 T3126

"Comments upon principles and mechanism in high-draft spinning of cotton."

Meynell's W.T.R. high draft roller. A Henry Meynell lecture at Rochdale. Textile Mercury and Argus 95(2488): 568. Nov. 27, 1936. 304.8 T318

Mihra, R.D. High draft systems of spinning and their importance to trade. Indian Textile Jour. 44(527): 385, 388. Aug. 31, 1934. 304.8 In2

"Tests carried out by the Technological Laboratory [Indian Central Cotton Committee], though by no means complete, amply justify the assumption, that a great economy would result by the introduction of either the High Draft System A or C."

A mill report on long-draft spinning on a large package frame. Cotton  
[Atlanta] 95(5): 414. March 1931. 304.8 C823

More mill tests on high drafting. The formation of "fly" at critical points.  
Textile Weekly 12(291): 113-114. Sept. 29, 1933. 304.8 T3127  
Table shows results of 11 high-draft tests on Indian cotton.  
Also in Textile Recorder 51(607): 27-28. Oct. 15, 1933.

New long draft system. Textile Bull. 47(25): 44. Feb. 21, 1935. 304.8 So82  
"A new system of long drafting brought out by the Belger Company of  
Watertown, Mass." is described.

New system of high drafting for cotton spinning. Melliand 2(4): 584-585.  
July 1930. 304.8 M48  
The Leigh & Butler patent long draft system for cotton spinning.

Noguera, J. High drafting. Textile Weekly 10(249): 400. Dec. 9, 1932.  
304.8 T3127  
"In a lecture to the Ashton and District Mill Managers' Association,  
Oct. 26, 1932."

Noguera, J. High drafting in cotton spinning. The most modern developments  
from Casablanacas. Textile Weekly 22(561): 743,745-747. Dec. 2, 1938.  
304.8 T3127  
In a lecture to the Oldham Cotton Mill Managers' Association, November  
18, 1938.

Noguera, J. The mechanism of high-draft cotton spinning. Textile Manfr.  
61(724): 145-146, 154. April 1935. 304.8 T3126  
"In a lecture to the Manchester College of Technology Textile Society."  
"High-draft in cotton spinning is basically dependent on the degree  
of control of individual fibres. Advantages of new roller weighting  
arrangements and of a 'compound drafting' frame are also explained."  
Comment by Henry Meynell, in Textile Manfr. 61(725): 192. May 1935.

Oxley, Dr. High drafting and its influence on cotton mill reorganization.  
Fibre and Fabric 85(2478): 9-11. July 30, 1932. 304.8 F44

Platt Brothers and co., ltd. High-draft cotton ring spinning. Conversion of  
ring frames from three roller lines system to four lines high-draft system.  
Textile Manfr. 63(745): 20,26. January 1937. 304.8 T3126

Pratt, Horace L. Cotton manufacture advances include acceptance of long-draft  
roving and introduction of high-speed slasher. Textile World (Ann. Rev.  
and Forecast No.) 88(3): 63-64. Feb. 28, 1938. 304.8 T315  
Review of 1937.

Pratt, Horace L. A million more long draft spinning spindles, with continued  
development of long-draft roving - Other advances. Textile World 87(3):  
142-143. Feb. 28, 1937. 304.8 T315



Richardson, R.P. High drafting. Indian Textile Jour. 44(518): 65-66, 68.  
Nov. 30, 1933. 304.8 In2

Abstract of a paper read before the Bombay European Textile Association on September 21, 1933.

Discusses factors in drafting and popular high-draft systems.

[Rooney, Tom] The Rooney hi-drafting system. Cotton [Atlanta] 100(1): 68.  
January 1936. 304.8 C823

"The Rooney 'Hi-Drafting' system is applied on card room machinery and prepares roving in such a manner that it can be spun on the conventional spinning frame, where the only changes made are in the draft gears... A sketch of an installation for roving frames is shown." - Textile Inst. Jour. 27(4): A157. April 1936.

Roving goes long draft. Change to single process promises to hold spotlight as outstanding trend of 1937 in cotton manufacture. Textile World 87(4): 722-723. March 1937. 304.8 T315

Saco-Lowell better draft system; a critical study of its construction, characteristics, and operation. Saco-Lowell Bull. 9(4): 1-7. September 1937. 304.8 Sal

Saco-Lowell contributions to the new era in cotton spinning practice. Saco-Lowell Bull. 8(5): 14-18. December 1936. 304.8 Sal

[Saco-Lowell shops] New Saco-Lowell controlled draft roving. Textile Bull. 47(6): 11,15,22. Oct. 11, 1934. 304.8 So82

A new long-draft single-process roving system developed by Saco-Lowell shops.

Also in Cotton [Atlanta] 98(10): 66-67. October 1934; Amer. Wool & Cotton Reprtr. 48(41): 17-19. Oct. 11, 1934; Internatl. Cotton Bull. 13(49): 88,91. October 1934.

[Southern textile association. Eastern Carolina division] Long draft spinning. Advantages of this method discussed by Eastern Carolina division of S.T.A. - Application to old frames - Reports on various tests with long draft. Amer. Wool & Cotton Reprtr. 46(42): 13-14, 20-22. Oct. 20, 1932. 304.8 W88

Meeting was held at Henderson, N.C., October 7, 1932.

Also reported in Southern Textile Bull. 43(9): 10-11, 27, 32-33. Oct. 27, 1932.

[Southern textile association. Gaston County division] Spinning combed yarn with longer drafts considered in Gaston Co. meeting. Textile World 83(7): 1098. June 1933. 304.8 T315

Meeting at Ranlo, N.C., May 11, 1933.

[Southern textile association. North Carolina-Virginia division] Carding and spinning discussions. North Carolina-Virginia division discusses humidity, one and two-process drawing, card production, long draft roving, cleaners, cork rolls, long draft aprons. Amer. Wool & Cotton Reprtr. 50(17): 17-20. Apr. 23, 1936. 304.8 W88

Report of a meeting held in Greensboro, N.C., April 11, 1936.

Also reported in Textile World 86(6): 1098. May 1936; Cotton [Atlanta] 100(5): 75-78. May 1936

- [Southern textile association] Northern North Carolina-Virginia division.  
Discussions at Greensboro meeting - Long draft, cork rolls, one-process drawing, rubber cots, control draft. Amer. Wool & Cotton Repr. 50(44): 9-10, 14-15. Oct. 29, 1936. 304.8 W88  
Also reported in Cotton [Atlanta] 100(11): 72-74, 123. November 1936.
- [Southern textile association. Northern North Carolina-Virginia division] STA division meets in Burlington. Again study long draft roving. Cotton [Atlanta] 102(11): 73-76. November 1938. 304.8 C823  
Report of meeting at Burlington, N.C., October 22, 1938.  
Also reported in Textile Bull. 55(6): 15-16, 42-43, 46. Nov. 15, 1938; Amer. Wool & Cotton Repr. 52(49): 15-18. Dec. 8, 1938.
- [Southern textile association. South Carolina division] Cotton spinning discussions. S.T.A. South Carolina section discusses single and double roving, spun rayon, cleaning, long draft. Amer. Wool & Cotton Repr. 52(43): 25-26. Oct. 27, 1938. 304.8 W88  
Report of meeting of Carders' and Spinners' Section at Greenville, S.C., October 15, 1938.
- [Southern textile association. Spinners' division] Spinning 30s cotton with long draft made from seven-eighths or longer staple - various suggestions as to draft, breaking strength, rolls and speeds - cleaner and other waste - long draft on old frames. Amer. Wool & Cotton Repr. 45(50): 15-16, 18. Dec. 10, 1931. 304.8 W88  
Part of discussion at meeting held at Spartanburg, S.C., November 20, 1931.
- Spibey, Horace. High drafting main feature of recent developments in spinning machinery. Textile Recorder 55(655): 39. Oct. 6, 1937. 304.8 T311
- Tatum, C.S. Better management brings reduction of cotton manufacturing costs. Textile World 79(6): 612-613. Feb. 7, 1931. 304.8 T315  
Discusses oil spraying, long-draft spinning, improvements in looms, etc.
- Technical advances in cotton manufacture include new winders and the acceptance of long-draft roving. Textile World 86(3): 446-447. Feb. 28, 1936. 304.8 T315  
Review of developments in 1935.
- The Trumbach self-contained high draft combing unit. Advantages claimed for the ring grooved roller. Textile Mercury and Argus 88(2306): 413. May 26, 1933. 304.8 T318  
"A high drafting system, which, it is claimed will draw piecings better than ordinary spinning and which can be applied to any existing machine without alteration to rollers, roller stands or cap bars, has been introduced by the firm of J.O. Whitaker (Accrington) Ltd." The salient features are outlined in this article.

Truslow, J.L. Long draft in roving and single vs. double roving in spinning. Textile World 82(5): 966-968. November 1932. 304.8 T315

"Delivered before the meeting of the Textile Division of the American Society of Mechanical Engineers, at Greenville, S.C.," Oct. 19, 1932..

Also in Cotton [Atlanta] 96(11): 25-28. November 1932; Southern Textile Bull. 43(14): 6, 8-9. Dec. 1, 1932.

Truslow, J.L. Long draft roving. A pioneer installation. Cotton [Atlanta] 97(7): 23-25. July 1933. 304.8 C823

Describes the installation at the Canada Mill, Cornwall, Ont.

Truslow, J.L. Long draft roving. A report of progress. Whitin Rev. 2(2): 6-9. April 1934. 304.8 W58

Tschudi, J.J. High-draft in spinning cotton yarns. Historic development, various methods, and men accredited with its success - Elementary and scientific aspects. Melliand Textile Monthly 3(5): 381-383; (6): 469-471; (7): 565-566. August-October 1931. 304.8 M48

Twin-sliver cotton drawframe and single-process speed frame. High-draft is applied to speed frames so that only one process is necessary, and drawframes are arranged to give double slivers of twice the fineness. Textile Manfr. 63(747): 103-104. March 1937. 304.8 T3126

Two spinning problems: High drafting roller difficulties and a remedy. How to avoid "crackers" and lumps. Textile Mercury and Argus 40(2339): 32. Jan. 12, 1934. 304.8 T318

Questions asked by F.W.H. and answers by a spinning authority.

The W.T.R. high-drafting system. Internatl. Cotton Bull. 15(58): 293-297. January 1937. 72.8 In8

Walsh, W.A. High drafting in cotton ring spinning. Textile Amer. 55(2): 43-45. February 1931. 304.8 T317

[Whitin machine works] Super-draft roving. Textile World 84(10): 1834. September 1934. 304.8 T315

"In the new Super-Draft system the sliver passes first to a Whitin-Casablancas high-draft slubber and then through a revolving piece so designed as to insert a false twist which pulls in the selvages. Finally it passes through a regular set of drafting rollers. This system is capable of drafts up to 40 and will produce roving as fine as 6.00-hank from cans of finished drawing sliver. Tests have shown that yarn produced by this process is at least equal to that produced from the same sliver by three- or four-process roving. The amount of stretching, piecing and fibre breakage to which roving is usually subjected is reduced in the new process and creeling is reduced to a negligible factor, since on 5.00-hank roving, for example, a can will require 87 hours to run out.- C." - Textile Inst. Jour. 26(1): All. January 1935.





Yarn production simplified by new high draft cotton spinning system. Textile  
Mercury and Argus 91(2381): 397. Nov. 2, 1934. 304.8 T318  
The illustration shows "Meynell's W.T.R. high draft system."

#### ECONOMIC LIBRARY LISTS

- No. 1. State trade barriers: selected references. March 1939.
- No. 2. The frozen food industry: selected references, January 1937 to  
March 1939. April 1939.
- No. 3. High drafting in cotton spinning: selected references. April 1939.